

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Presently amended) A method of treating HIV-1 infection, the method comprising contacting a cell susceptible to HIV-1 infection with an amount of a peroxiredoxin sufficient to inhibit infection of the cell by HIV-1, wherein the peroxiredoxin is a naturally occurring peroxiredoxin selected from the group consisting of peroxiredoxins I-VI.
2. (Presently amended) The method of claim 1, wherein the peroxiredoxin is selected from the group consisting of a type I peroxiredoxin and a type II peroxiredoxin.
3. (Original) The method of claim 1, wherein the peroxiredoxin is protease-resistant.
- 4-17. (Canceled).
18. (New) The method of claim 2, wherein the peroxiredoxin is NKEF-A.
19. (New) The method of claim 2, wherein the peroxiredoxin is NKEF-B.